

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended): An information processing apparatus for detecting inter-track boundaries, comprising:

~~noise eliminating~~ means for generating ~~noise-eliminated~~ noise-eliminated audio data by ~~performing a noise eliminating process to~~ noise from audio data generated by digitally converting analog audio signals ~~of music~~ of a plurality of tracks whose inter-track boundaries are ~~produced of silent portions~~;

~~presumed inter-track boundaries detecting~~ means for detecting presumed inter-track boundaries presumed to be the inter-track boundaries ~~[[for]]~~ of said plurality of tracks, based on ~~[[the]]~~ portions of said ~~noise-eliminated~~ noise-eliminated audio data whose signal levels are lower than a predetermined level threshold value; and

~~inter-track boundaries specifying~~ means for specifying said inter-track boundaries from the detected presumed inter-track boundaries, based on ~~[[the]]~~ inter-track boundaries specifying information ~~of said presumed inter-track boundaries detected by said presumed inter-track boundaries detecting means~~ including at least one of a number of tracks of said plurality of tracks and playing times of the tracks.

2. (Currently Amended): The information processing apparatus according to Claim 1, wherein

said ~~inter-track boundaries specifying~~ means for specifying specifies as said inter-track boundaries said presumed inter-track boundaries dividing ~~[[said]]~~ presumed tracks whose presumed track playing times ~~of presumed tracks presumed to be tracks divided by~~

~~said inter-track boundaries are greater~~ longer than ~~said minimum a shortest~~ playing time among the playing times of the tracks and ~~smaller~~ are shorter than ~~said greatest a longest~~ playing time among the playing times of the tracks, ~~using the minimum playing time and the greatest playing time of said plurality of tracks as~~ said inter-track boundaries specifying information including the shortest playing time and the longest playing time.

3. (Currently Amended): The information processing apparatus according to Claim 1, wherein

~~said inter-track boundaries specifying means~~ for specifying presumes said presumed inter-track boundaries as said inter-track boundaries based on ~~an error~~ errors between ~~[[the]]~~ presumed track playing ~~[[time]]~~ times of presumed tracks ~~presumed to be tracks divided by said presumed inter-track boundaries and said playing times of the tracks time, using the playing time of each of said plurality of tracks as~~ said inter-track boundaries specifying information including the playing times of the tracks.

4. (Currently Amended): The information processing apparatus according to Claim 1, wherein~~[[:]]~~

~~said inter-track boundaries specifying means~~ for specifying compares ~~[[the]]~~ a number of presumed tracks ~~for the presumed tracks presumed to be tracks divided by said presumed inter-track boundaries detected by said presumed inter-track boundaries detecting means with~~ said number of tracks, ~~using the number of tracks of said plurality of tracks as~~ said inter-track boundaries specifying information including the number of tracks; and

~~said presumed track number detecting means~~[[,]] for detecting in case the number of
~~said presumed tracks is smaller than the number of said tracks, according to the results of said~~
~~comparison by said inter-track boundaries specifying means; again~~ tries to detect ~~once more~~
said presumed inter-track boundaries, based on the portions of said ~~noise-eliminated~~
noise-eliminated audio data whose signal levels are lower than [[the]] an other level threshold
~~values~~ value greater than said predetermined level threshold value, according to a result of
the comparison by said means for specifying, when the number of presumed tracks is smaller
than said number of tracks.

5. (Currently Amended): An information processing method for detecting inter-track boundaries, comprising:

~~the noise-eliminating step of generating noise-eliminated~~ noise-eliminated audio data
by ~~performing a noise eliminating process to noise from~~ audio data generated by digitally
converting analog audio signals ~~of music~~ of a plurality of tracks whose inter-track boundaries
are ~~produced of silent portions;~~

~~the presumed inter-track boundaries detecting step of detecting presumed inter-track~~
boundaries presumed to be the inter-track boundaries [[for]] of said plurality of tracks, based
on [[the]] portions of said ~~noise-eliminated~~ noise-eliminated audio data whose signal levels
are lower than a predetermined level threshold value; and

~~the inter-track boundaries specifying step of specifying said inter-track boundaries~~
from the detected presumed inter-track boundaries, based on [[the]] inter-track boundaries
specifying information ~~of said detected presumed inter-track boundaries detected~~ including at
least one of a number of tracks of said plurality of tracks and playing times of the tracks.

6. (Currently Amended) ~~An information processing program to detect inter-track boundaries, the program causing a computer~~ A computer-readable medium including computer executable instructions, wherein the instructions, when executed by a processor, cause the processor to perform a method comprising:

~~the noise eliminating step of generating noise-eliminated~~ noise-eliminated audio data by ~~performing a noise eliminating~~ noise from ~~process to~~ audio data generated by digitally converting analog audio signals ~~of music~~ of a plurality of tracks whose inter-track boundaries are ~~produced of~~ silent portions;

~~the presumed inter-track boundaries detecting step of detecting presumed inter-track boundaries presumed to be the inter-track boundaries~~ [[for]] of said plurality of tracks, based on [[the]] portions of said ~~noise-eliminated~~ noise-eliminated audio data whose signal levels are lower than a predetermined level threshold value; and

~~the inter-track boundaries specifying step of specifying said inter-track boundaries from the detected presumed inter-track boundaries, based on~~ [[the]] inter-track boundaries specifying information of said detected presumed inter-track boundaries detected including at least one of a number of tracks of said plurality of tracks and playing times of the tracks.

7. (New) An information processing apparatus for detecting inter-track boundaries, comprising:

a generation unit configured to generate noise-eliminated audio data by eliminating noise from audio data generated by digitally converting analog audio signals of a plurality of tracks whose inter-track boundaries are silent;

a detection unit configured to detect presumed inter-track boundaries presumed to be the inter-track boundaries of said plurality of tracks, based on portions of said noise-eliminated audio data whose signal levels are lower than a predetermined level threshold value; and

a specifying unit configured to specify said inter-track boundaries from the detected presumed inter-track boundaries, based on inter-track boundaries specifying information including at least one of a number of tracks of said plurality of tracks and playing times of the tracks.